

Title (en)
METHODS FOR FORMING FIBER-REINFORCED STRUCTURES WITH SEGMENTS FORMED FROM DIFFERENT TYPES OF FIBER

Title (de)
VERFAHREN ZUR HERSTELLUNG VON FASERVERSTÄRKTEN STRUKTUREN MIT SEGMENTEN AUS VERSCHIEDENEN ARTEN VON FASERN

Title (fr)
PROCÉDÉS DE FORMATION DE STRUCTURES RENFORCÉES PAR FIBRE AYANT DES SEGMENTS FORMÉS À PARTIR DE DIFFÉRENTS TYPES DE FIBRE

Publication
EP 2790547 A4 20150826 (EN)

Application
EP 12858301 A 20120926

Priority

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- US 2012057394 W 20120926

Abstract (en)
[origin: US2013147330A1] Fiber-reinforced structures for use in forming support structures and electronic device housing members may include multiple types of fiber. A first portion of the structures formed from a first type of fiber such as glass fiber may be radio transparent. A second portion of the structures formed from a second type of fiber such as carbon fiber may be more rigid than the first type of fiber and may be radio opaque. The second portion of the structures may be used to selectively add strength to the fiber-reinforced structures. The first portion of the structures may be used to maintain radio transparency for compatibility with wireless electronic device operations. The fiber-reinforced structures may be formed by rolling a sheet of prepreg material that includes a first area with the first type of fiber and a second area with the second type of fiber.

IPC 8 full level
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CPC (source: EP US)
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Citation (search report)

- [X] US 2009179806 A1 20090716 - JI GANG [JP], et al
- [I] US 2011117872 A1 20110519 - TSENG CHIEH-FU [TW]
- See references of WO 2013089880A1

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US 201213711489 A 20121211; CN 201280060780 A 20120926; EP 12858301 A 20120926; JP 2014547224 A 20120926; KR 20147017167 A 20120926; TW 101136088 A 20120928; US 2012057394 W 20120926